Datasheet for 600-401-GD3

ZFP219 Antibody

Overview

Description:	Anti-ZFP219 (RABBIT) Antibody - 600-401-GD3
Item No.:	600-401-GD3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	ZFP219 is a developmentally regulated member of the Kruppel-like zinc finger gene family that is thought to function as a transcriptional repressor. Yeast two-hybrid screening showed association with Sox9, a transcription factor that is essential for chondrogenesis. ZFP219 is specifically expressed in the developing limb buds and colocalizes with Sox9 in the nucleus. Knockdown of ZFP219 expression decreased Sox9-induced mRNA expression, and a dominant-negative mutant of ZFP219 inhibited Bmp2-induced chondrocyte differentiation, suggesting that ZFP219 plays an important role as a transcriptional partner of Sox9 in the regulation of chondrocyte differentiation.
Synonyms:	ZFP219 Antibody, ZFP219, Zinc finger protein 219
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZNF219
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZFP219 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human ZFP219.

Purity/Specificity:	Anti-ZFP219 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of ZFP219 are known to exist; this antibody will recognize both.
Relevant Links:	• UniProtKB - Q9P2Y4 • GeneID - 51222 • NCBI - NP_001095142.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZFP219 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 77 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

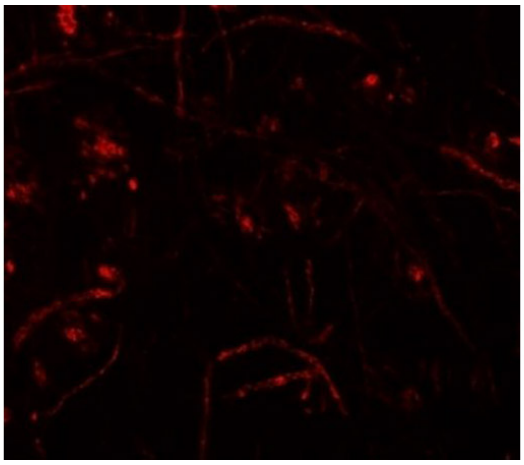
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

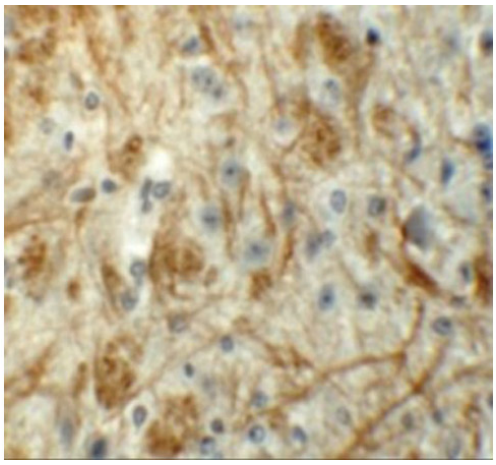
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

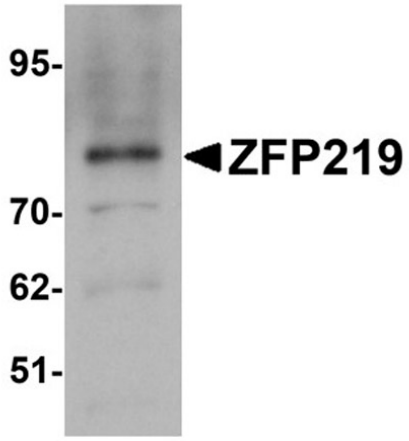
Images



Immunofluorescence Microscopy
Immunofluorescence of ZFP219.
Tissue: mouse brain tissue.
Primary Antibody: ZFP219 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of ZFP219.
Tissue: mouse brain tissue.
Primary Antibody: ZFP219 antibody at 5 µg/mL.



Western Blot
Western blot analysis of ZFP219.
Load: EL4 cell lysate.
Primary Antibody: ZFP219 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.